

September 25, 2009

Mr. Richard S. Goorevich, Director
Office of International Regimes & Agreements
U.S. Department of Energy
National Nuclear Security Administration
1000 Independence Avenue, SW
Washington, D.C. 20585-1615

Dear Mr. Goorevich:

Enclosed for your information is an application (XMAT411) recently received by the U.S. Nuclear Regulatory Commission (NRC), from Sigma-Aldrich Corporation and Subsidiaries, dated September 18, 2009, for the export of deuterium oxide (D₂O - heavy water) to Canada for purification and upgrading for future return to the United States.

Inasmuch as Executive Branch views are not required for shipments of heavy water to Canada, we intend to issue the requested license after the required 30-day waiting period.

Please note that the deuterium is of Canadian origin.

Sincerely,

/RA/

Janice E. Owens, Branch Chief
Export Controls and International Organizations
Office of International Programs

Enclosure:
Application Dated 09/18/09
XMAT411 - Canada
Docket Number 11005831

cc:w/enclosure:
S. Aguilar, NRC/NMSS
R. DeLaBarre, DOS
S. Oehlbert, DOE/NNSA
S. Clagett, DOC
W. Witter, DTRA

C. Baugues, DHS/CBP
J. Norles, DOE/NNSA
P. Dessaulles, DOE/NMMSS
D. McDarby, DTRA
CNSC

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DATE	9-22-09	9/22/09	9/25/09

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